

*AMENDMENTS TO THE ABSTRACT*

~~In a~~ A refrigerator ~~having~~ has a coolant ~~cooling means~~ ~~cooler~~ for cooling a coolant at the entrance of a flow control valve ~~therein~~, when the cooling amount in the coolant ~~cooling means~~ ~~cooler~~ is deficient as well as excessive, the ~~COP~~ has decreased. The refrigerator includes a compressor (2) for compressing the coolant, a radiator (3) for radiating heat from the coolant, a coolant ~~cooling means~~ (15) ~~cooler~~ for cooling the coolant, a flow control valve (4) for regulating the flow volume of the coolant, ~~an~~ evaporator (5) for evaporating the coolant, and a heat-exchange-amount control means (16) for controlling the amount of heat exchanged in the coolant ~~cooling means~~ (15), ~~wherein the~~ ~~cooler~~. The coolant is circulated through the compressor (2), the radiator (3), the coolant ~~cooling means~~ (15) ~~cooler~~, the flow control valve (4), and the evaporator (5), in that sequence.